

RAPCO,inc. DE-ICE APPLICATION

	AIRCRAFT	ORIGINAL BLOCK ASSEMBLY *	MODULAR BRUSH ASSEMBLY	BRUSH MODULE ASSY (QTY)	BRUSH (QTY)	Notes
Aero Commander						
	500A	4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
	500B	4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
		4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
	500U	4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
		4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
	500S w/90 Amp Generators, 70 Amp or 100 Amp Alternators	4E1350(or-1) 4E1350-4	RA2146-2	RA2111U (3)	RA1306-1 (3) RA1543-2 (3) RA1543-7,-5 (3)	
	500S S/N 3115 & up	4E1350(or-1) 4E1350-4			RA1306-1 (3) RA1543-2 (3)	
			RA2146-2	RA2111U (3)	RA1543-7,-5 (3)	
	560 Series	4E1311(or-1) 4E1311-2			RA1306-1 (2) RA1306-2 (1) RA1543-1 (2) RA1543-2 (1)	
	560F	4E1387-1 4E1387-5			RA1306-1 (2) RA1306-2 (1) RA1543-1 (2) RA1543-2 (1)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
	680 Series 681 Series	4E1311(or-1) 4E1311-2			RA1306-1 (2) RA1306-2 (1) RA1543-1 (2) RA1543-2 (1)	
			RA2144-2	RA2111U (3)	RA1543-7,-5 (3)	
	680F Series	4E1387-1 4E1387-5			RA1306-1 (2) RA1306-2 (1) RA1543-1 (2) RA1543-2 (1)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
	685	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	690 Series Hartzell 3 Bl.	4E1387-3 (or-5)			RA1543-1 (2) RA1543-2 (1)	
	690 C		RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	695		RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	720	4E1311(or-1) 4E1311-2			RA1306-1 (2) RA1306-2 (1) RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	

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Beechcraft						
	D18C, S, E18S, G18S, H18	4E1311			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	Volpar Conv.	4E1387-1			RA1306-1 (2) RA1306-2 (1)	
		4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	33 (14 Volt System)	4E1387-3			RA1543-1 (2) RA1543-2 (1)	
	C33, E33A, F33A	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	35 Series (14 Volt System)	4E1387-3			RA1543-1 (2) RA1543-2 (1)	
	S35, V35A	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	36 Series (14 Volt System)	4E1387-3			RA1543-1 (2) RA1543-2 (1)	
	Allision Turbine Conv.	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2162-1	RA2111U (3)	RA1543-7,-5 (3)	
	C45G, C45H	4E1311			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	50 Series, E50,F50,G50, H50, & J50	4E1311			RA1306-1 (2) RA1306-2 (1)	
		4E-1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	55 Series, C55, E55 A./C	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2171	RA2111U (2)	RA1543-7,-5 (2)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2162-2	RA2111U (2)	RA1543-7,-5 (2)	
			RA2142-2	RA2111U (3)	RA1543-7,-5 (3)	
	56 TC	4E1639			RA1543-1 (2) RA1543-2 (1)	
		4E1639			RA1543-1 (2) RA1543-2 (1)	
	58 Series	4E1350-5			RA1543-2 (3)	
			RA2146-3	RA2111U (3)	RA1543-7,-5 (3)	
			RA2171	RA2111U (2)	RA1543-7,-5 (2)	
	60 Series	4E1639			RA1543-1 (2) RA1543-2 (1)	
		4E1639			RA1543-2 (3)	
	65 Series, 65-90	4E1311 or 4E1387-1			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2 or 4E1387-5			RA1543-1 (2) RA1543-2 (1)	

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Beechcraft (cont.)						
	65 Series, 65-90 (cont.)	4E1562-2			RA1543-2 (3)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2142-1	RA2111U(3)	RA1543-7,-5 (3)	
			RA2144-1	RA2111U(3)	RA1543-7,-5 (3)	
	80 Series	4E1311			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
		4E1562-2			RA1543-2 (3)	
			RA2142-1	RA2111U(3)	RA1543-7,-5 (3)	
			RA2144-1	RA2111U(3)	RA1543-7,-5 (3)	
	88 Series	4E1311			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
		4E1562-2			RA1543-2 (3)	
			RA2142-1	RA2111U(3)	RA1543-7,-5 (3)	
			RA2144-1	RA2111U(3)	RA1543-7,-5 (3)	
	90 Series	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
	95 Series	4E1387 (or-1)			RA1306-1 (2) RA1306-2 (1)	
		4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-2	RA2111U (3)	RA1543-7,-5 (3)	
	99 Series	4E1311 (or-1)			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	100 Series, A100, B100	4E1311 (or-1)			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2162-2	RA2111U (3)	RA1543-7,-5 (3)	
	200 Series	4E1311 (or-1)			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	B200 B Series		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
	300		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
	1079	4E1749-2			RA1543-1 (2)	
	1900	4E3096-1			RA2620-1 (6)	
		4E3097-1			RA2620-1 (6)	
			3E2141 Series		RA2426-2 (2)	
			3E2320 Series		RA2426-2 (2)	
			3E2346 Series		RA2426-2 (2)	
			3E2334 Series		RA2426-2 (2)	
			3E2456 Series		RA2426-2 (2)	
			3E2457 Series		RA2426-2 (2)	
			RA2190-3	RA2111U (2)	RA1543-7,-5 (2)	

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Britten Norman								
Casa	BN-2 Series	4E1350-5			RA1543-2 (3)			
		4E1515 or -1			RA1306-1 (3)			
		4E1515-2			RA1543-2 (3)			
		4E1562-2			RA1543-2 (3)			
		4E1908-1			RA1543-1 (3)			
				RA2146-1	RA2111U (2)	RA1543-7,-5 (2)		
				RA2162-22	RA2111U (2)	RA1543-7,-5 (2)		
Cessa								
Cessna	C212 Series	4E1387-5			RA1543-1 (2) RA1543-2 (1)			
				RA2142-1	RA2111U (3)	RA1543-7,-5 (3)		
				RA2162-2	RA2111U (2)	RA1543-7,-5 (2)		
Colemill								
Aero Commander 500A	Aero Commander 500A	182		RA2171	RA2111U (2)	RA1543-7,-5 (2)		
		T Series 182		RAB40189 (1)		RAB40189 (1)		
		206 Soloy Conv.		RA2162-2	RA2111U (2)	RA1543-7,-5 (2)		
		208		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)		
		210 14 or 28 Volt Elec.	4E1387-4 or -6			RA1543-1 (2) RA1543-2 (1)		
					RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
		310 Series thru H	4E1294			RA1306-3 (3)		
		310 Series J-P	4E1311-1			RA1543-1 (2) RA1543-2 (1)		
					RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
		T310R S/N 310R0938-310R2109			RAC40010 (1)		RAB40012 (2)	
					RAC40055 (1)		RAB40046 (2)	
		335 S/N 335-0001 & up			RAC40179 (1)		RAB40189 (2)	
		336, 337 Series	3E1277				RA1306-1 (2) RA1306-2 (1)	
			3E1277-2				RA1543-1 (2) RA1543-2 (1)	
					RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
		340 Series	C-40010				RAB40012 (2)	
			C-40179				RAB40189 (2)	
		401 A,B	C-40010				RAB40012 (2)	
		402 AJI Conv.	4E1387-5				RA1543-1 (2) RA1543-2 (1)	
					RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
		402 A,B,C	C-40010				RAB40012 (2)	
			C-40179				RAB40189 (2)	
		404	C-40179				RAB40189 (2)	
		411, A	C-40010				RAB40012 (2)	
		414 Series	C-40010				RAB40012 (2)	
			C-40179				RAB40189 (2)	
		421, A,B	C-40010				RAB40012 (2)	
		421C	C-40179				RAB40189 (2)	
		425	C-40179				RAB40189 (2)	
		441	4E1311-3				RA1543-1 (2) RA1543-2 (1)	
					RA2144-2	RA2111U (3)	RA1543-7,-5 (3)	
		Colemill						
		Aero Commander 500A	Aero Commander 500A	4E1387-3 or -5			RA1543-1 (2) RA1543-2 (1)	
				RA2142-1	RA2111U (3)	RA1543-7,-5 (3)		

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DeHavilland						
	DHC-6 100,200	4E1311 or -1			RA1306-1 (2) RA1306-2 (1)	
		4E1311-1			RA1543-1 (2) RA1543-2 (1)	
	Model 300		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
Dornier						
	DO128-6		RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	DO228		RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
Embraer						
	EMB110 P1, P2	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	EMB120		RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
Evangel Air						
	4300/300	4E1350-5			RA1543-2 (3)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
Fairchild / Swearingen						
	Merlin - Metro SA226 or 7	4E1311 or -1			RA1306-1 (2) RA1306-2 (1)	
		4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
		4E1387-1			RA1306-1 (2) RA1306-2 (1)	
		4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
		C-40331			RAB40332 (2)	
Frakes						
	298 Mohawk	4E1311-3			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
Fuji						
	00-12	4E1639			RA1543-1 (2) RA1543-2 (1)	
G.A.F.						
	N-22B	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
Handley Page						
	137 Jetstream	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
Harbin						
	Y-12		RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
Israel Arava						
	1A1-101	4E1311-3			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	

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Mitsubishi						
Mooney	MU 2 Series	4E1387-1			RA1306-1 (2) RA1306-2 (1)	
		4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5(3)	
Norman D. Norman	201 28 Volt 14 Volt		RA2190-2 RA2144-1	RA2111U (3) RA2111U (3)	RA1543-7,-5 (3) RA1543-7,-5 (3)	
	231		RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	252 28 Volt		RA2162-2	RA2111U (2)	RA1543-7,-5 (2)	
Partenavia	NDNIT		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
Pilatus	P68	4E1639			RA1543-1 (2) RA1543-2 (1)	
Piper	PC-6 Series	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
	PC-7		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
Deicer Brush Modules & Deicer Brushes	PA-23-250 14 Volt w/ 0-540 Lyc.	4E1350-2 4E1350-5 4E1515 4E1515-2			RA1306-1 (3) RA1543-2 (3) RA1306-1 (3) RA1543-2 (3)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
	PA-30 J.W. Miller Conv.	4E1639			RA1543-1 (2) RA1543-2 (1)	
	PA-31 (Non-Pressurized) & PA-31-350	4E1350-2 4E1350-5			RA1306-1 (3) RA1543-2 (3)	
	PA-31-350 Right Engine	4E1098-1			RA1543-1 (2) RA1543-2 (1)	
	PA-31 (Pressurized)	H4E1387-4			RA1543-1 (2) RA1543-2 (1)	
			RA2172-1	RA2111U (3)	RA1543-7,-5 (3)	
	PA-31 T Series	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
	PA-32-300, & 301 Series	4E1650-6 4E1639			RA1543-1 (2) RA1543-2 (1) RA1543-1 (2) RA1543-2 (1)	
			RA2146-1	RA2111U (3)	RA1543-7,-5 (3)	
	PA-34-200	4E1908-1			RA1543-2 (3)	
	PA-34-200T Series Hrt. 2 Bl.	4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
			RA2162-2	RA2111U (3)	RA1543-7,-5 (3)	
	PA-44 -180, 2 or 3 Bl.		RA2190-1	RA2111U (2)	RA1543-7,-5 (2)	
	PA-46-310P		RA2171	RA2111U (2)	RA1543-7,-5 (2)	
	P400		RA2144-2	RA2111U (3)	RA1543-7,-5 (3)	
	600 Series	4E1350-2			RA1543-2 (3)	
			RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	

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Short Brothers						
	SC7 Series	4E1387-1 or-5			RA1306-1 (2) RA1306-2 (1)	
	SD3-30	4E1311-3	RA2142-1	RA2111U (3)	RA1543-7,-5 (3)	
	SD3-60		RA2144-1	RA2111U (3)	RA1543-1 (2) RA1543-2 (1)	
			RA2190-1	RA2111U (2)	RA1543-7,-5 (3)	
SIAI-Marchetti						
	S210	4E1693			RA1543-1 (2) RA1543-2 (1)	
	SF600TP		RA2162-2	RA2111U (2)	RA1543-7,-5 (2)	
Turbolet						
	L-410	4E1311-2			RA1543-1 (2) RA1543-2 (1)	
			RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	
		4E1387-5			RA1543-1 (2) RA1543-2 (1)	
			RA-2142-1	RA2111U (3)	RA1543-7,-5 (3)	
U.S. Aircraft						
	DC3/C47 Conv.		RA2144-1	RA2111U (3)	RA1543-7,-5 (3)	

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* Indicates an item not manufactured by RAPCO,inc. ,**Notes:** RA1543-7 is a rodded version of RA1543-5, Use RA2111U-ROD for module with rodded brush. Deicers and lead harnesses on pages 2-6. Module descriptions on pages 14-15.